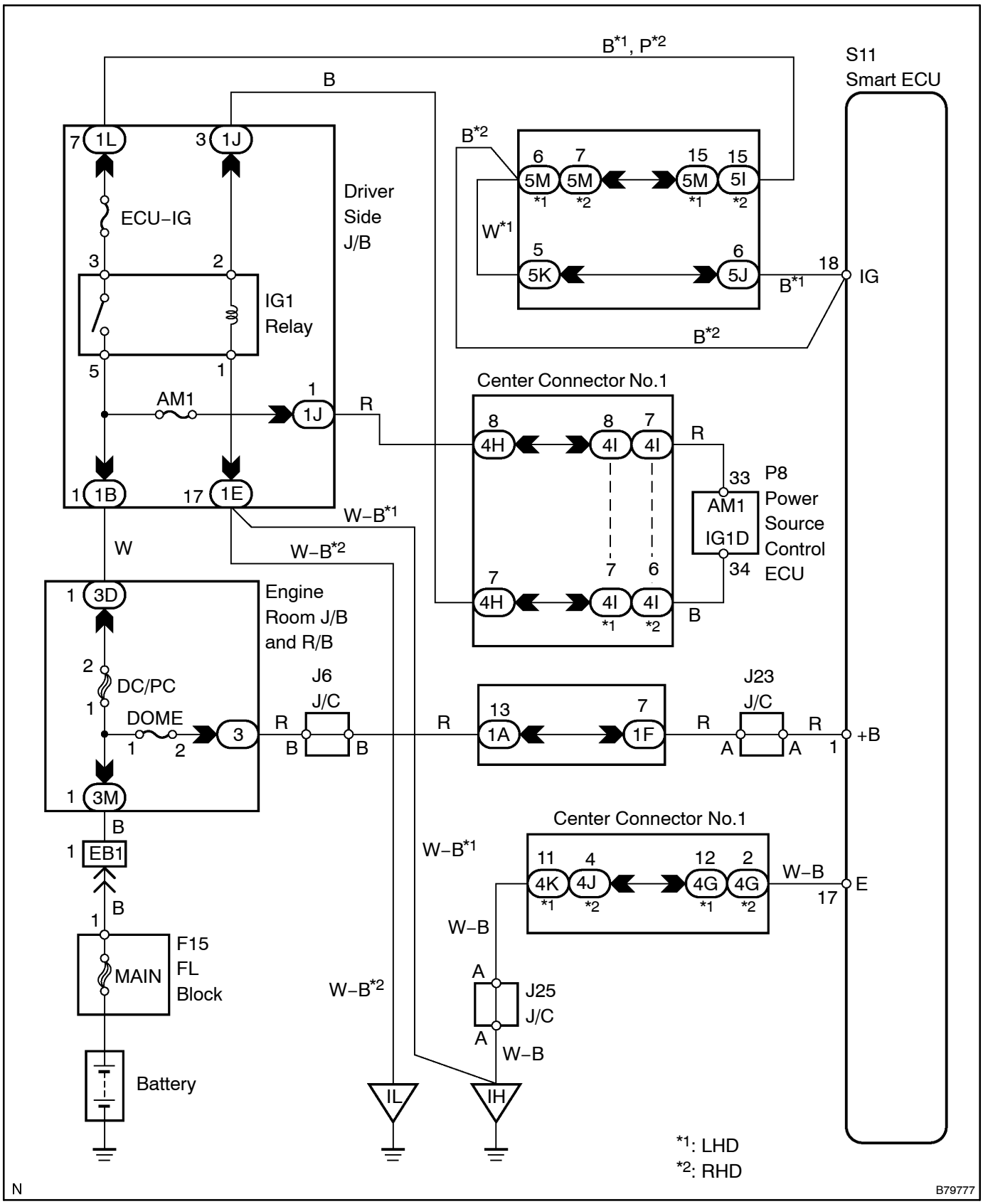
SMART FUNCTIONS DO NOT OPERATE AT ALL

CIRCUIT DESCRIPTION

When the smart functions do not operate at all, it is possible that the smart ECU is malfunctioning or that the wire harness leading to the smart ECU is short–circuited.

WIRING DIAGRAM



INSPECTION PROCEDURE

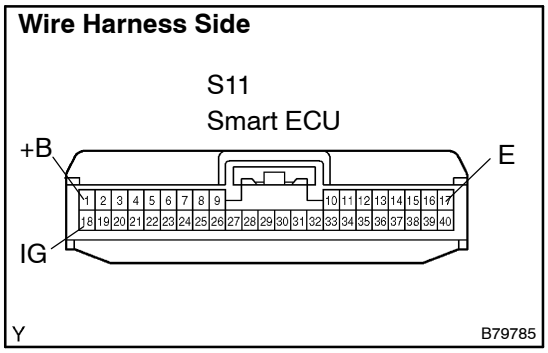
1	INSPECT FUSE (DOME)

(a) Remove the DOME fuse from the engine room J/B and engine room R/B.
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	CHECK WIRE HARNESS (SMART ECU – BODY GROUND)



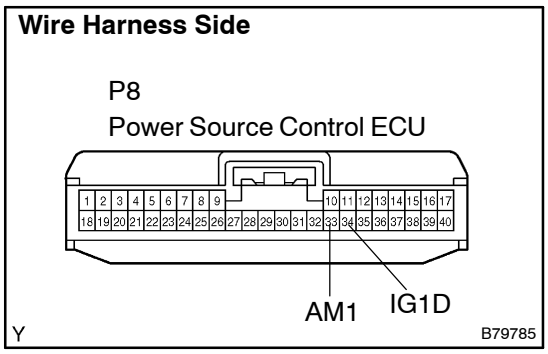
(a) Disconnect the S11 ECU connector.
(b) Measure the voltage and resistance between the wire harness side connector and body ground.
Standard:

Tester Connection	Condition	Specified Condition
S11–18 (IG) – Body ground	Power switch OFF → ON (IG)	0 V → 10 to 14 V
S11–1 (+B) – Body ground	Constant	10 to 14 V
S11–17 (E) – Body ground	Constant	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

3	CHECK RESISTANCE OF COMMUNICATION LINE



(a) Disconnect the P8 ECU connector.
(b) Measure the voltage and resistance between the wire harness side connector and body ground.
Standard:

Tester Connection	Specified Condition
P8–33 (AM1) – Body ground	10 to 14 V
P8–34 (IG1D) – Body ground	Below 1 Ω

NG → **GO TO PUSH BUTTON START SYSTEM**

OK

REPLACE SMART ECU